

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Please amend page 52, line 1 as follows:

[Claims]

What is claimed is:

1. (Original) A method for the production of diphtheria toxin wherein a microorganism capable of producing diphtheria toxin is fermented using glucose as a carbon source, said method comprising adding glucose to a growing culture whereby the addition of glucose maintains a microorganism growth effective to support diphtheria toxin production.
2. (Currently amended) ~~A~~The method as claimed in claim 1 wherein the diphtheria toxin is a mutated diphtheria toxin.
3. (Currently amended) ~~A~~The method as claimed in claim 2 wherein the mutated diphtheria toxin has a cytotoxic A subunit.
4. (Currently amended) ~~A~~The method as claimed in claim 3 wherein the mutated diphtheria toxin is CRM 107.

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5. (Currently amended) AThe method as claimed in ~~any one of the preceding~~
~~claims~~claim 1 wherein the microorganism is corynebacterium diphtheriae.
6. (Currently amended) AThe method as claimed in ~~any one of the preceding~~
~~claims~~claim 1 wherein glucose is added in a fed batch method.
7. (Currently amended) AThe method as claimed in claim 6 wherein the pH is
maintained at between 7.0 to about 7.5.
8. (Currently amended) AThe method as claimed in ~~any one of the preceding~~
~~claims~~claim 1 wherein the fermentation medium comprises from about 0.5 to about
1.5% yeast extract.
9. (Currently amended) AThe method as claimed in ~~any one of the preceding~~
~~claims~~claim 1 wherein the fermentation medium comprises no more than about 1%
yeast extract.
10. (Currently amended) AThe method as claimed in ~~any one of the preceding~~
~~claims~~claim 1 wherein the fermentation medium comprises cystine.

Claims 11-21 (Cancel)

22. (Currently amended) ~~A~~The method as claimed in ~~any one of claims 1 to 4, or 6 to 20~~claim 1, wherein the microorganism is *E. coli*.
23. (Original) Diphtheria toxin having a purity of at least 98%.
24. (Currently amended) Diphtheria toxin when produced by the method of ~~any one of claims 1 to 22~~claim 1.
25. (Currently amended) ~~A~~The method for preparing a diphtheria toxin conjugate comprising conjugating a diphtheria toxin produced by the method of ~~any one of claims 1 to 22~~claim 1 with a cell specific binding or targeting moiety.
26. (Currently amended) ~~A~~The method as claimed in claim 25 wherein the cell specific binding or targetting moiety is transferrin.
27. (Currently amended) ~~A~~The method of treatment of CNS neoplasm comprising administering to a subject a diphtheria toxin conjugate as produced by the method of ~~claim 25 or claim 26~~claim 25.
28. (Currently amended) The use of a diphtheria toxin conjugate produced by the method of ~~any one of claims 25 or claim 26~~claim 25 in the manufacture of a medicament for use in the treatment of CNS neoplasm.